```
     FILE 'HCAPLUS' ENTERED AT 15:46:51 ON 13 JUN 2007
L1          3316 S (RNA OR (RIBONUCLEIC(W)ACID))(3A)(PURIFICATION OR ISOLATION)
L2        190397 S (SODIUM OR POTASSIUM OR LITHIUM)(W)CHLORIDE
L3           173 S COSMOTROP? OR KOSMOTROP?
L4        138599 S DETERGENT OR TWEEN OR TRITON OR TERGITOL OR NONIODET
L5           594 S (SOLID(W)SUPPORT) AND (POLYESTER OR CELLULOSE OR NITROCELLULO

     FILE 'HCAPLUS' ENTERED AT 15:48:03 ON 13 JUN 2007
L6            94 S L1 AND (L2 OR L3)
L7             0 S L6 AND L5
L8             0 S L7 AND L4
L9             0 S L8 AND (PY<2002 OR AY<2002 OR PRY<2002)

     FILE 'HCAPLUS' ENTERED AT 15:48:52 ON 13 JUN 2007
L10            3 S L6 AND (SOLID(W)SUPPORT)
L11            1 S L10 AND L4
L12            1 S L11 AND (PY<2002 OR AY<2002 OR PRY<2002)

     FILE 'STNGUIDE' ENTERED AT 15:49:08 ON 13 JUN 2007

     FILE 'HCAPLUS' ENTERED AT 15:49:18 ON 13 JUN 2007

     FILE 'STNGUIDE' ENTERED AT 15:49:18 ON 13 JUN 2007

     FILE 'HCAPLUS' ENTERED AT 17:06:09 ON 13 JUN 2007
L13       269518 S POLYESTER
L14         8822 S SOLID(W)SUPPORT
L15           43 S L13 AND L14
L16           34 S L15 AND (PY<2002 OR AY<2002 OR PRY<2002)
```

```
=> file hcaplus
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         1.05       1.05

FILE 'HCAPLUS' ENTERED AT 15:46:51 ON 13 JUN 2007
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FILE COVERS 1907 - 13 Jun 2007  VOL 146 ISS 25
FILE LAST UPDATED: 12 Jun 2007  (20070612/ED)

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 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

=> s (RNA or (ribonucleic(w)acid))(3a)(purification or isolation)

        329136 RNA
        195269 RIBONUCLEIC
       4385112 ACID
        338386 PURIFICATION
        262155 ISOLATION
L1        3316 (RNA OR (RIBONUCLEIC(W)ACID))(3A)(PURIFICATION OR ISOLATION)

=> s (sodium or potassium or lithium)(w)chloride

       1121239 SODIUM
        636793 POTASSIUM
        325273 LITHIUM
       1146321 CHLORIDE
L2      190397 (SODIUM OR POTASSIUM OR LITHIUM)(W)CHLORIDE

=> s cosmotrop? or kosmotrop?

            15 COSMOTROP?
           158 KOSMOTROP?
L3         173 COSMOTROP? OR KOSMOTROP?

=> s detergent or tween or triton or tergitol or noniodet

         81621 DETERGENT
         21410 TWEEN
         43216 TRITON
          1622 TERGITOL
             3 NONIODET
L4      138599 DETERGENT OR TWEEN OR TRITON OR TERGITOL OR NONIODET

=> s (solid(w)support) and (polyester or cellulose or nitrocellulose or nylon or
polyolefin or polyethersulfone or polyvinylidine)
```

```
       1080180 SOLID
        487501 SUPPORT
          8822 SOLID(W)SUPPORT
        269518 POLYESTER
        354151 CELLULOSE
         28232 NITROCELLULOSE
         82549 NYLON
         73361 POLYOLEFIN
          2191 POLYETHERSULFONE
           127 POLYVINYLIDINE
L5          594 (SOLID(W)SUPPORT) AND (POLYESTER OR CELLULOSE OR NITROCELLULOSE
                OR NYLON OR POLYOLEFIN OR POLYETHERSULFONE OR POLYVINYLIDINE)

=> file stngide

'STNGIDE' IS NOT A VALID FILE NAME
SESSION CONTINUES IN FILE 'HCAPLUS'
Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files
that are available.  If you have requested multiple files, you can
specify a corrected file name or you can enter "IGNORE" to continue
accessing the remaining file names entered.

=> file hcaplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       5.20       6.25

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FILE COVERS 1907 - 13 Jun 2007  VOL 146 ISS 25
FILE LAST UPDATED: 12 Jun 2007  (20070612/ED)

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 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

=> s l1 and (l2 or L3)

L6           94 L1 AND (L2 OR L3)

=> s l6 and l5

L7            0 L6 AND L5

=> s l7 and l4

L8            0 L7 AND L4

=> s l8 and (PY<2002 or AY<2002 or PRY<2002)
```

```
      21897377 PY<2002
       4174519 AY<2002
       3645878 PRY<2002
L9           0 L8 AND (PY<2002 OR AY<2002 OR PRY<2002)

=> file stngide

'STNGIDE' IS NOT A VALID FILE NAME
SESSION CONTINUES IN FILE 'HCAPLUS'
Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files
that are available.  If you have requested multiple files, you can
specify a corrected file name or you can enter "IGNORE" to continue
accessing the remaining file names entered.

=> file hcaplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     2.60       8.85

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FILE LAST UPDATED: 12 Jun 2007  (20070612/ED)

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 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

=> s l6 and (solid(w)support)

       1080180 SOLID
        487501 SUPPORT
          8822 SOLID(W)SUPPORT
L10          3 L6 AND (SOLID(W)SUPPORT)

=> s l10 and l4

L11          1 L10 AND L4

=> s l11 and (PY<2002 or AY<2002 or PRY<2002)

      21897377 PY<2002
       4174519 AY<2002
       3645878 PRY<2002
L12          1 L11 AND (PY<2002 OR AY<2002 OR PRY<2002)

=> file stngide
```

```
'STNGIDE' IS NOT A VALID FILE NAME
SESSION CONTINUES IN FILE 'HCAPLUS'
Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files
that are available.  If you have requested multiple files, you can
specify a corrected file name or you can enter "IGNORE" to continue
accessing the remaining file names entered.

=> file stnguide
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     2.60      11.45

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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Jun  8, 2007 (20070608/UP).

=> d l10 1-3 ti abs bib
YOU HAVE REQUESTED DATA FROM FILE 'HCAPLUS' - CONTINUE? (Y)/N:y



L10  ANSWER 1 OF 3  HCAPLUS  COPYRIGHT 2007 ACS on STN
TI   Locked nucleic acid capture probes for isolation of homopolymeric
     nucleotide sequences and use in diagnosis of viral infections in humans
AB   This invention presents methods and use of locked nucleic acid capture
     probes for isolation of homopolymeric nucleotide sequences and use in
     diagnosis of viral infections in humans.  A method for isolating nucleic
     acid mols. having a repeating nucleotide sequence or a homopolymeric
     nucleotide sequence, e.g. a poly A stretch, is described.  In particular,
     the method uses oligomeric capture probes spiked with various amts. of
     locked nucleic acid (LNA).  The invention further describes methods for
     the isolation of RNA mols., for example polyadenylated
     mRNA mols., which overcome the problems of rapid RNA degradation
     during isolation and anal. of such nucleic acid mols.  This is
     of major clin. and diagnostic importance, especially when dealing with RNA
     viruses, such as retroviruses or when analyzing rare or low-abundant mRNAs
     or mRNAs from biopsies or tissues enriched with RNases.
AN   2004:203927  HCAPLUS <<LOGINID::20070613>>
DN   140:265567
TI   Locked nucleic acid capture probes for isolation of homopolymeric
     nucleotide sequences and use in diagnosis of viral infections in humans
IN   Kauppinen, Sakari; Jacobsen, Nana
PA   Exiqon A/S, Den.
SO   PCT Int. Appl., 104 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.          DATE
     ---------------     ----   --------    --------------------     --------
PI   WO 2004020575        A2    20040311    WO 2003-IB6354           20030620
     WO 2004020575        A3    20041223
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
             PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ,
             UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
             FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
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BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU	2003288474	A1	20040319	AU 2003-288474	20030620
US	2005053942	A1	20050310	US 2003-601140	20030620
EP	1527175	A2	20050504	EP 2003-780549	20030620
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
PRAI	US 2002-390928P	P	20020624		
	WO 2003-IB6354	W	20030620		

L10 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN

TI Methods and kits for isolating nucleic acids from leukocytes by binding to antibodies on a solid support

AB The present invention relates to a method of isolating nucleic acid from a blood sample. The method involves selectively isolating leukocytes from said sample by binding said leukocytes to a solid support containing a binding partner specific for the leukocyte, for example an antibody. The antibody can bind an antigen selected from one of more of the following: HLA-I, CD11a, CD18, CD45, CD46, CD50, CD82, CD162, CD5 and CD15 and a specific example shows a combination of CD45 and CD15. The said leukocytes are lysed in detergents to release nucleic acids which are subsequently bound to a second solid support which is neg. charged. Kits for isolating nucleic acid from samples form further embodiments of the invention.

AN 2001:904506 HCAPLUS <<LOGINID::20070613>>

DN 136:15912

TI Methods and kits for isolating nucleic acids from leukocytes by binding to antibodies on a solid support

IN Bergholtz, Stine; Korsnes, Lars; Andreassen, Jack

PA Dynal Biotech Asa, Norway; Jones, Elizabeth Louise

SO PCT Int. Appl., 51 pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001094572	A1	20011213	WO 2001-GB2472	20010605
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2410888	A1	20011213	CA 2001-2410888	20010605
	EP 1290155	A1	20030312	EP 2001-934205	20010605
	EP 1290155	B1	20060809		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	AT 335815	T	20060915	AT 2001-934205	20010605
	US 2003180754	A1	20030925	US 2003-297301	20030430
PRAI	GB 2000-13658	A	20000605		
	WO 2001-GB2472	W	20010605		

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN

TI Methods and compositions for isolating nucleic acids

AB Compns. and methods are disclosed for isolating nucleic acids from biol. tissues and cells (including tumor cells) and for tissue/cell solubilization for other mol. biol. uses, wherein the compns. comprise, in part, novel combinations of chaotropic agents and aromatic alcs. which act

synergistically to effect better tissue/protein solubilization. The inventive compns. further include aprotic solvents for deactivation of RNases and denaturization of proteins, as well as detergents for enhancing cell lysis and nucleoprotein dissociation The inventive methods also comprise the use of a centrifuge, a solid-support matrix, and a microporous membrane for final isolation of the precipitated nucleic acids, resulting in high yield and purity of the precipitated nucleic acid.

AN 1997:400479 HCAPLUS <<LOGINID::20070613>>
DN 127:78238
TI Methods and compositions for isolating nucleic acids
IN Wiggins, James C.
PA USA
SO U.S., 15 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5637687	A	19970610	US 1993-115184	19930831
PRAI	US 1993-115184		19930831		

=> d his

(FILE 'HOME' ENTERED AT 15:43:41 ON 13 JUN 2007)

FILE 'HCAPLUS' ENTERED AT 15:46:51 ON 13 JUN 2007
L1 3316 S (RNA OR (RIBONUCLEIC(W)ACID))(3A)(PURIFICATION OR ISOLATION)
L2 190397 S (SODIUM OR POTASSIUM OR LITHIUM)(W)CHLORIDE
L3 173 S COSMOTROP? OR KOSMOTROP?
L4 138599 S DETERGENT OR TWEEN OR TRITON OR TERGITOL OR NONIODET
L5 594 S (SOLID(W)SUPPORT) AND (POLYESTER OR CELLULOSE OR NITROCELLULO

FILE 'HCAPLUS' ENTERED AT 15:48:03 ON 13 JUN 2007
L6 94 S L1 AND (L2 OR L3)
L7 0 S L6 AND L5
L8 0 S L7 AND L4
L9 0 S L8 AND (PY<2002 OR AY<2002 OR PRY<2002)

FILE 'HCAPLUS' ENTERED AT 15:48:52 ON 13 JUN 2007
L10 3 S L6 AND (SOLID(W)SUPPORT)
L11 1 S L10 AND L4
L12 1 S L11 AND (PY<2002 OR AY<2002 OR PRY<2002)

FILE 'STNGUIDE' ENTERED AT 15:49:08 ON 13 JUN 2007

FILE 'HCAPLUS' ENTERED AT 15:49:18 ON 13 JUN 2007

FILE 'STNGUIDE' ENTERED AT 15:49:18 ON 13 JUN 2007

=> log hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.06	22.66

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.34

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 15:49:42 ON 13 JUN 2007

Connecting via Winsock to STN

```
Welcome to STN International!  Enter x:x

LOGINID:SSPTAEXO1623

PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'STNGUIDE' AT 17:05:10 ON 13 JUN 2007
FILE 'STNGUIDE' ENTERED AT 17:05:10 ON 13 JUN 2007
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COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.06      22.66

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00      -2.34

=> file hcaplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.18      22.78

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00      -2.34

FILE 'HCAPLUS' ENTERED AT 17:06:09 ON 13 JUN 2007
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FILE LAST UPDATED: 12 Jun 2007  (20070612/ED)

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 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

=> s polyester

L13     269518 POLYESTER

=> s solid(w)support

       1080180 SOLID
        487501 SUPPORT
L14       8822 SOLID(W)SUPPORT
```

```
=> s L13 and L14

L15          43 L13 AND L14

=> s L15 and (PY<2002 or AY<2002 or PRY<2002)

      21897377 PY<2002
       4174519 AY<2002
       3645878 PRY<2002
L16          34 L15 AND (PY<2002 OR AY<2002 OR PRY<2002)

=> file stnguide

COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       2.60      25.38

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                       0.00      -2.34

FILE 'STNGUIDE' ENTERED AT 17:06:15 ON 13 JUN 2007
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=> file hcaplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.06      25.44

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                       0.00      -2.34

FILE 'HCAPLUS' ENTERED AT 17:06:53 ON 13 JUN 2007
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FILE COVERS 1907 - 13 Jun 2007  VOL 146 ISS 25
FILE LAST UPDATED: 12 Jun 2007  (20070612/ED)

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 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

=> s l16 and ((nucleic(w)acid) or RNA or DNA)
```

```
        198782 NUCLEIC
       4385112 ACID
<------User Break------>

SEARCH ENDED BY USER

=> file stnguide

COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     7.80      33.24

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00      -2.34

FILE 'STNGUIDE' ENTERED AT 17:08:28 ON 13 JUN 2007
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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Jun  8, 2007 (20070608/UP).

=> file hcaplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.06      33.30

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00      -2.34

FILE 'HCAPLUS' ENTERED AT 17:08:30 ON 13 JUN 2007
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FILE COVERS 1907 - 13 Jun 2007  VOL 146 ISS 25
FILE LAST UPDATED: 12 Jun 2007  (20070612/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

=> s l16 and ((nucleic(w)acid) or RNA or DNA)

        198782 NUCLEIC
<------User Break------>

SEARCH ENDED BY USER

=> file stnguide
```

```
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         2.60      35.90

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)              SINCE FILE      TOTAL
                                                           ENTRY    SESSION
CA SUBSCRIBER PRICE                                         0.00      -2.34

FILE 'STNGUIDE' ENTERED AT 17:08:40 ON 13 JUN 2007
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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Jun  8, 2007 (20070608/UP).

=> file hcaplus
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.06      35.96

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)              SINCE FILE      TOTAL
                                                           ENTRY    SESSION
CA SUBSCRIBER PRICE                                         0.00      -2.34

FILE 'HCAPLUS' ENTERED AT 17:08:49 ON 13 JUN 2007
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FILE COVERS 1907 - 13 Jun 2007  VOL 146 ISS 25
FILE LAST UPDATED: 12 Jun 2007  (20070612/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

=> s l16 and (nucleic or RNA or DNA)

        198782 NUCLEIC
        329136 RNA
        834191 DNA
L17          5 L16 AND (NUCLEIC OR RNA OR DNA)

=> file stnguide

COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         2.60      38.56

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)              SINCE FILE      TOTAL
                                                           ENTRY    SESSION
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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Jun  8, 2007 (20070608/UP).

=> d l7 1-5 ti
L7 HAS NO ANSWERS
L1          3316 SEA FILE=HCAPLUS (RNA OR (RIBONUCLEIC(W)ACID))(3A)(PURIFICATION
                  OR ISOLATION)
L2        190397 SEA FILE=HCAPLUS (SODIUM OR POTASSIUM OR LITHIUM)(W)CHLORIDE
L3           173 SEA FILE=HCAPLUS COSMOTROP? OR KOSMOTROP?
L5           594 SEA FILE=HCAPLUS (SOLID(W)SUPPORT) AND (POLYESTER OR CELLULOSE
                  OR NITROCELLULOSE OR NYLON OR POLYOLEFIN OR POLYETHERSULFONE
                  OR POLYVINYLIDINE)
L6            94 SEA FILE=HCAPLUS L1 AND (L2 OR L3)
L7             0 SEA FILE=HCAPLUS L6 AND L5


=> y
Y IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> d l17 1-5 ti
YOU HAVE REQUESTED DATA FROM FILE 'HCAPLUS' - CONTINUE? (Y)/N:y


L17  ANSWER 1 OF 5  HCAPLUS  COPYRIGHT 2007 ACS on STN
TI   High-density cell microarrays for parallel functional determinations

L17  ANSWER 2 OF 5  HCAPLUS  COPYRIGHT 2007 ACS on STN
TI   Methods, reagents and kits for isolating RNA from environmental
     or biological samples

L17  ANSWER 3 OF 5  HCAPLUS  COPYRIGHT 2007 ACS on STN
TI   An α-proteobacterium converts linear alkylbenzenesulfonate
     surfactants into sulfophenylcarboxylates and linear
     alkyldiphenyletherdisulfonate surfactants into
     sulfodiphenylethercarboxylates

L17  ANSWER 4 OF 5  HCAPLUS  COPYRIGHT 2007 ACS on STN
TI   Application of membrane-based dendrimer/DNA complexes for solid
     phase transfection in vitro and in vivo

L17  ANSWER 5 OF 5  HCAPLUS  COPYRIGHT 2007 ACS on STN
TI   Multistep isolation processes of DNA from biological samples for
     further characterization


=> d l17 1-5 ti abs bib
YOU HAVE REQUESTED DATA FROM FILE 'HCAPLUS' - CONTINUE? (Y)/N:y


L17  ANSWER 1 OF 5  HCAPLUS  COPYRIGHT 2007 ACS on STN
TI   High-density cell microarrays for parallel functional determinations
AB   Disclosed are methods for generating high-d. cell microarrays.  The
     methods generally involve forming nanocraters on a permeable membrane
```

surface and inoculating the nanocraters with cells, proteins, or other mols. Specifically, the generation of nanocraters, a pit, depression, or indentation in a membrane material or other deformable solid support with a volume that is on the scale of nano-liters or pico-liters, in particular, ranging in size from about 100 pico-liters to 1.5 nano-literson permeable membranes, allows for the creation of high-d. cell microarrays. The high-d. microarrays of the invention are useful for large-scale, high throughput phenotypic detns. of gene activities.

AN 2003:417944 HCAPLUS <<LOGINID::20070613>>
DN 138:397227
TI High-density cell microarrays for parallel functional determinations
IN Xu, C. Wilson
PA Sloan-Kettering Institute for Cancer Research, USA
SO PCT Int. Appl., 29 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003044484	A2	20030530	WO 2002-US36979	20021115 <--
	WO 2003044484	A3	20030821		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2002352778	A1	20030610	AU 2002-352778	20021115 <--
	US 2005014155	A1	20050120	US 2004-495521	20040513 <--
PRAI	US 2001-331502P	P	20011116 <--		
	WO 2002-US36979	W	20021115		

L17 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN
TI Methods, reagents and kits for isolating RNA from environmental or biological samples
AB Reagents, methods and kits for the purification of RNA from biol. or environmental samples are provided. The method comprises mixing said material with an RNA binding solution buffered at a pH of greater than 7 wherein the RNA binding solution comprises an RNA complexing salt from from strong chaotropic agents. RNA is bound to non-silica solid support selected from cellulose, cellulose acetate, nitrocellulose, nylon, polyester, polyethersulfone, polyolefin, or polyvinylidene fluoride. The non-silica solid support is contained in a vessel such as centrifuge tubes, spin tubes, syringes, cartridges, chambers, multiple well plates and test tubes.
AN 2003:300642 HCAPLUS <<LOGINID::20070613>>
DN 138:317132
TI Methods, reagents and kits for isolating RNA from environmental or biological samples
IN Heath, Ellen M.; Wages, John M.
PA USA
SO U.S. Pat. Appl. Publ., 14 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 3

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

PI US 2003073830 A1 20030417 US 2001-974798 20011012 <--
CA 2463317 A1 20030424 CA 2001-2463317 20011012 <--
WO 2003033739 A1 20030424 WO 2001-US32073 20011012 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
AU 2002211719 A1 20030428 AU 2002-211719 20011012 <--
EP 1438426 A1 20040721 EP 2001-979794 20011012 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
JP 2005505305 T 20050224 JP 2003-536461 20011012 <--
US 2004019196 A1 20040129 US 2003-418194 20030416 <--
US 7148343 B2 20061212
US 2005032105 A1 20050210 US 2004-909724 20040802 <--
US 2007043216 A1 20070222 US 2006-589364 20061030 <--
PRAI US 2001-974798 A 20011012 <--
WO 2001-US32073 W 20011012 <--
US 2003-418194 A2 20030416

L17 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN
TI An α-proteobacterium converts linear alkylbenzenesulfonate surfactants into sulfophenylcarboxylates and linear alkyldiphenyletherdisulfonate surfactants into sulfodiphenylethercarboxylates
AB The surfactant linear alkylbenzenesulfonate (LAS; 0.5 mM) or linear monoalkyldiphenyletherdisulfonate (LADPEDS; 0.5 mM) in salts medium was easily degraded in laboratory trickling filters, whereas carbon-limited, aerobic enrichment cultures in suspended culture with the same inocula did not grow. When portions of the trickling filters which degraded LADPEDS were taken, the organisms were shook from the solid support (polyester), it was found that growth in suspended culture in LADPEDS-salts medium occurred only in the presence of some solid support (polyester fleece or glass wool), though little biomass was immobilized on the support. The end products in suspended culture were identical with those from the trickling filters. There was low plating efficiency of LADPEDS-grown cultures on complex medium, and no picked colony or mixture of colonies grew in LADPEDS-salts-glass wool medium. However, selective plates containing LADPEDS-salts medium solidified with agarose yielded LADPEDS-dependent, pinpoint colonies which could be picked singly and subcultured in selective liquid medium. Isolate DS-1 was a bacterium which showed 93% sequence homol. (16S ribosomal DNA) to its nearest phylogenetic neighbor, an α-proteobacterium. Strain DS-1 grew heterotrophically in LADPEDS-salts-glass wool medium and converted the set of aryl-substituted alkanes to the corresponding aryl-substituted carboxylic acids of shorter chain length. Similarly, strain DS-1 grew heterotrophically with com. LAS, converting it to a set of sulfophenylcarboxylates. Growth with a single isomer of LAS [3-(4-sulfophenyl)dodecane] was concomitant with excretion of 4-(4-sulfophenyl)hexanoate, which was identified by matrix-assisted laser desorption ionization mass spectrometry. The growth yield (6.4 g of protein/mol of C) indicated mass balance, which, with the specific growth rate (0.05 h-1), indicated a specific utilization rate of LAS of 2.2 mkat/kg of protein.
AN 2000:309662 HCAPLUS <<LOGINID::20070613>>
DN 133:86580
TI An α-proteobacterium converts linear alkylbenzenesulfonate

surfactants into sulfophenylcarboxylates and linear alkyldiphenyletherdisulfonate surfactants into sulfodiphenylethercarboxylates
AU Schleheck, David; Dong, Wenbo; Denger, Karin; Heinzle, Elmar; Cook, Alasdair M.
CS Department of Biology, The University, Konstanz, D-78457, Germany
SO Applied and Environmental Microbiology (2000), 66(5), 1911-1916
CODEN: AEMIDF; ISSN: 0099-2240
PB American Society for Microbiology
DT Journal
LA English
RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN
TI Application of membrane-based dendrimer/DNA complexes for solid phase transfection in vitro and in vivo
AB In this study a general description of the use of solid support membranes as the device for DNA delivery mediated by PAMAM dendrimers is presented. In contrast to the other DNA carriers, dendrimer/DNA complexes retain the ability to transfect after drying, which enabled coating or incorporation of complexes into poly(DL-lactide-co-glycolide) or collagen-based bioerodible membranes. These studies provide support for the use of this technol. for in vitro and in vivo transfection of skin cells. Expression of luciferase or green fluorescent protein from pCF1-Luc and pEGFP1 plasmids indicated that dendrimer/DNA complexes can mediate transfection after dissociation from the solid support and/or when retained on the surface of the membranes. Modification of the membranes by incorporation of an anionic lipid, phosphatidyl glycerol (PG) at 1-5% concns., resulted in more efficient in situ transfection, particularly with dendrimer/DNA complexes formed at the low charge ratios (1-5). We also report data supporting the feasibility of membrane-based dendrimer/DNA complexes, particularly formed at lower than neutralizing conditions, for topical in vivo delivery of DNA to hairless mouse skin.
AN 2000:202322 HCAPLUS <<LOGINID::20070613>>
DN 133:63726
TI Application of membrane-based dendrimer/DNA complexes for solid phase transfection in vitro and in vivo
AU Bielinska, Anna U.; Yen, Ann; Wu, Huai Liang; Zahos, Kathleen M.; Sun, Rong; Weiner, Norman D.; Baker, James R., Jr.; Roessler, Blake J.
CS Department of Internal Medicine, University of Michigan Health System, Ann Arbor, MI, 48109, USA
SO Biomaterials (2000), 21(9), 877-887
CODEN: BIMADU; ISSN: 0142-9612
PB Elsevier Science Ltd.
DT Journal
LA English
RE.CNT 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN
TI Multistep isolation processes of DNA from biological samples for further characterization
AB The invention concerns a multistep isolation process of DNA from biol. samples for further characterization and/or amplification. Samples are contacted with a solid surface for DNA/RNA adsorption; the adsorbed DNA/RNA is washed and eluted with an alkaline buffer containing chelating agent. The solid support can be heated to 60°C. The solid support is a tube, a multiple-well plate etc., made of glass fiber, polyester, cellulose acetate, etc. Enzymic digestion can be carried out in conjunction with the purification Biol. materials include

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     eukaryotic, prokaryotic cells, microorganism, body fluids, environmental
     samples etc.
AN   1999:495423  HCAPLUS <<LOGINID::20070613>>
DN   131:126383
TI   Multistep isolation processes of DNA from biological samples for
     further characterization
IN   Heath, Ellen M.; Shuman, Ruth M.
PA   Gentra Systems, Inc., USA
SO   PCT Int. Appl., 71 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
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PI   WO 9939009           A1    19990805    WO 1999-US2189         19990202 <--
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             DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG,
             KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,
             NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,
             UA, UG, UZ
         RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
             FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
             CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     CA 2319665            A1    19990805    CA 1999-2319665        19990202 <--
     AU 9926548            A     19990816    AU 1999-26548          19990202 <--
     EP 1053357            A1    20001122    EP 1999-906702         19990202 <--
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, FI
     JP 2003529314         T     20031007    JP 2000-529466         19990202 <--
     AU 2003204434         A1    20030626    AU 2003-204434         20030529 <--
     AU 2007200486         A1    20070222    AU 2007-200486         20070205 <--
PRAI US 1998-17143         A     19980202  <--
     US 1998-17144         A     19980202  <--
     AU 1999-26548         A3    19990202  <--
     WO 1999-US2189        W     19990202  <--
     AU 2003-204434        A3    20030529
RE.CNT  2     THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT


=> d his

     (FILE 'HOME' ENTERED AT 15:43:41 ON 13 JUN 2007)

     FILE 'HCAPLUS' ENTERED AT 15:46:51 ON 13 JUN 2007
L1          3316 S (RNA OR (RIBONUCLEIC(W)ACID))(3A)(PURIFICATION OR ISOLATION)
L2        190397 S (SODIUM OR POTASSIUM OR LITHIUM)(W)CHLORIDE
L3           173 S COSMOTROP? OR KOSMOTROP?
L4        138599 S DETERGENT OR TWEEN OR TRITON OR TERGITOL OR NONIODET
L5           594 S (SOLID(W)SUPPORT) AND (POLYESTER OR CELLULOSE OR NITROCELLULO

     FILE 'HCAPLUS' ENTERED AT 15:48:03 ON 13 JUN 2007
L6            94 S L1 AND (L2 OR L3)
L7             0 S L6 AND L5
L8             0 S L7 AND L4
L9             0 S L8 AND (PY<2002 OR AY<2002 OR PRY<2002)

     FILE 'HCAPLUS' ENTERED AT 15:48:52 ON 13 JUN 2007
L10            3 S L6 AND (SOLID(W)SUPPORT)
L11            1 S L10 AND L4
L12            1 S L11 AND (PY<2002 OR AY<2002 OR PRY<2002)

     FILE 'STNGUIDE' ENTERED AT 15:49:08 ON 13 JUN 2007
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     FILE 'HCAPLUS' ENTERED AT 15:49:18 ON 13 JUN 2007

     FILE 'STNGUIDE' ENTERED AT 15:49:18 ON 13 JUN 2007

     FILE 'HCAPLUS' ENTERED AT 17:06:09 ON 13 JUN 2007
L13       269518 S POLYESTER
L14         8822 S SOLID(W)SUPPORT
L15           43 S L13 AND L14
L16           34 S L15 AND (PY<2002 OR AY<2002 OR PRY<2002)

     FILE 'STNGUIDE' ENTERED AT 17:06:15 ON 13 JUN 2007

     FILE 'HCAPLUS' ENTERED AT 17:06:53 ON 13 JUN 2007

     FILE 'STNGUIDE' ENTERED AT 17:08:28 ON 13 JUN 2007

     FILE 'HCAPLUS' ENTERED AT 17:08:30 ON 13 JUN 2007

     FILE 'STNGUIDE' ENTERED AT 17:08:40 ON 13 JUN 2007

     FILE 'HCAPLUS' ENTERED AT 17:08:49 ON 13 JUN 2007
L17            5 S L16 AND (NUCLEIC OR RNA OR DNA)

     FILE 'STNGUIDE' ENTERED AT 17:08:51 ON 13 JUN 2007

     FILE 'HCAPLUS' ENTERED AT 17:09:10 ON 13 JUN 2007

     FILE 'STNGUIDE' ENTERED AT 17:09:11 ON 13 JUN 2007

     FILE 'HCAPLUS' ENTERED AT 17:09:34 ON 13 JUN 2007

     FILE 'STNGUIDE' ENTERED AT 17:09:34 ON 13 JUN 2007

=> log hold
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                                 0.06      59.79

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
                                                   ENTRY    SESSION
CA SUBSCRIBER PRICE                                 0.00      -6.24

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STN INTERNATIONAL SESSION SUSPENDED AT 17:09:39 ON 13 JUN 2007

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LOGINID:SSPTAEXO1623

PASSWORD:
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SESSION RESUMED IN FILE 'STNGUIDE' AT 17:56:06 ON 13 JUN 2007
FILE 'STNGUIDE' ENTERED AT 17:56:06 ON 13 JUN 2007
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COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                                 0.06      59.79
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)        SINCE FILE      TOTAL
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CA SUBSCRIBER PRICE                                   0.00      -6.24

=> file hcaplus
COST IN U.S. DOLLARS                              SINCE FILE      TOTAL
                                                     ENTRY    SESSION
FULL ESTIMATED COST                                   0.12      59.85

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)        SINCE FILE      TOTAL
                                                     ENTRY    SESSION
CA SUBSCRIBER PRICE                                   0.00      -6.24

FILE 'HCAPLUS' ENTERED AT 17:57:27 ON 13 JUN 2007
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FILE LAST UPDATED: 12 Jun 2007  (20070612/ED)

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 substance identification.

=> s (lithium(w)chloride) and (RNA(3a)(puriicat? or isolat?)) and (solid(w)support)

        325273 LITHIUM
       1146321 CHLORIDE
         22178 LITHIUM(W)CHLORIDE
        329136 RNA
             0 PURIICAT?
       1134181 ISOLAT?
         12960 RNA(3A)(PURIICAT? OR ISOLAT?)
       1080180 SOLID
        487501 SUPPORT
          8822 SOLID(W)SUPPORT
L18          4 (LITHIUM(W)CHLORIDE) AND (RNA(3A)(PURIICAT? OR ISOLAT?)) AND
               (SOLID(W)SUPPORT)

=> file stnguide

COST IN U.S. DOLLARS                              SINCE FILE      TOTAL
                                                     ENTRY    SESSION
FULL ESTIMATED COST                                   2.60      62.45

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)        SINCE FILE      TOTAL
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CA SUBSCRIBER PRICE                                   0.00      -6.24

FILE 'STNGUIDE' ENTERED AT 17:57:29 ON 13 JUN 2007
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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Jun 8, 2007 (20070608/UP).

=> d l18 1-3 ti abs bib
YOU HAVE REQUESTED DATA FROM FILE 'HCAPLUS' - CONTINUE? (Y)/N:y

L18 ANSWER 1 OF 4 HCAPLUS COPYRIGHT 2007 ACS on STN
TI Locked nucleic acid capture probes for isolation of homopolymeric nucleotide sequences and use in diagnosis of viral infections in humans
AB This invention presents methods and use of locked nucleic acid capture probes for isolation of homopolymeric nucleotide sequences and use in diagnosis of viral infections in humans. A method for isolating nucleic acid mols. having a repeating nucleotide sequence or a homopolymeric nucleotide sequence, e.g. a poly A stretch, is described. In particular, the method uses oligomeric capture probes spiked with various amts. of locked nucleic acid (LNA). The invention further describes methods for the isolation of RNA mols., for example polyadenylated mRNA mols., which overcome the problems of rapid RNA degradation during isolation and anal. of such nucleic acid mols. This is of major clin. and diagnostic importance, especially when dealing with RNA viruses, such as retroviruses or when analyzing rare or low-abundant mRNAs or mRNAs from biopsies or tissues enriched with RNases.
AN 2004:203927 HCAPLUS <<LOGINID::20070613>>
DN 140:265567
TI Locked nucleic acid capture probes for isolation of homopolymeric nucleotide sequences and use in diagnosis of viral infections in humans
IN Kauppinen, Sakari; Jacobsen, Nana
PA Exiqon A/S, Den.
SO PCT Int. Appl., 104 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004020575	A2	20040311	WO 2003-IB6354	20030620
	WO 2004020575	A3	20041223		
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2003288474	A1	20040319	AU 2003-288474	20030620
	US 2005053942	A1	20050310	US 2003-601140	20030620
	EP 1527175	A2	20050504	EP 2003-780549	20030620
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
PRAI	US 2002-390928P	P	20020624		
	WO 2003-IB6354	W	20030620		

L18 ANSWER 2 OF 4 HCAPLUS COPYRIGHT 2007 ACS on STN
TI Methods, reagents and kits for isolating RNA from environmental or biological samples
AB Reagents, methods and kits for the purification of RNA from biol. or

environmental samples are provided. The method comprises mixing said material with an RNA binding solution buffered at a pH of greater than 7 wherein the RNA binding solution comprises an RNA complexing salt from from strong chaotropic agents. RNA is bound to non-silica solid support selected from cellulose, cellulose acetate, nitrocellulose, nylon, polyester, polyethersulfone, polyolefin, or polyvinylidene fluoride. The non-silica solid support is contained in a vessel such as centrifuge tubes, spin tubes, syringes, cartridges, chambers, multiple well plates and test tubes.

AN 2003:300642 HCAPLUS <<LOGINID::20070613>>

DN 138:317132

TI Methods, reagents and kits for isolating RNA from environmental or biological samples

IN Heath, Ellen M.; Wages, John M.

PA USA

SO U.S. Pat. Appl. Publ., 14 pp.
CODEN: USXXCO

DT Patent

LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003073830	A1	20030417	US 2001-974798	20011012
	CA 2463317	A1	20030424	CA 2001-2463317	20011012
	WO 2003033739	A1	20030424	WO 2001-US32073	20011012
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L18 ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2007 ACS on STN

TI Methods and kits for isolating nucleic acids from leukocytes by binding to antibodies on a solid support

AB The present invention relates to a method of isolating nucleic acid from a blood sample. The method involves selectively isolating leukocytes from said sample by binding said leukocytes to a solid support containing a binding partner specific for the leukocyte, for example an antibody. The antibody can bind an antigen selected from one of more of the following: HLA-I, CD11a, CD18, CD45, CD46, CD50, CD82, CD162, CD5 and CD15 and a specific example shows a combination of CD45 and CD15. The said leukocytes are lysed in detergents to release nucleic acids which are subsequently bound to a second solid support which is neg. charged. Kits for isolating nucleic acid from samples form further embodiments of the invention.

AN 2001:904506 HCAPLUS <<LOGINID::20070613>>

DN 136:15912

TI Methods and kits for isolating nucleic acids from leukocytes by binding to antibodies on a solid support

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PA Dynal Biotech Asa, Norway; Jones, Elizabeth Louise

SO PCT Int. Appl., 51 pp.

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DT Patent

LA English

FAN.CNT 1

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ALL CITATIONS AVAILABLE IN THE RE FORMAT